

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method comprising:

establishing a file transfer session between an information transferring routing network device that has entered a debug mode and a server, a name of a last known good image and configuration file pair being stored on the network device, the last known good image and configuration file pair being stored on the server; and
requesting a transfer of the last known good image and configuration file pair from the server to the network device.

2. (Original) The method of claim 1 further comprising detecting the network device in fatal mode and entering the debug mode on the network device upon detecting the network device in fatal mode.

3. (Original) The method of claim 1 further comprising receiving a command of a user and entering the debug mode on the network device upon receiving the command of the user.

4. (Original) The method of claim 1 wherein the file transfer session is a Trivial File Transfer Protocol (TFTP) session.

5. (Original) The method of claim 1 further comprising receiving the transfer of the last known good image and configuration file pair from the server to the network device.

6. (Original) The method of claim 5 further comprising automatically restoring the network device from debug mode to working mode after receiving the transfer of the last known good image and configuration file pair from the server to the network device.

7. (Currently Amended) The method of claim 1 wherein establishing a file transfer session between an information transferring routing network device that has entered a debug mode and a server includes

establishing a first file transfer session with a first server, a first image and configuration file pair being stored on the first server,

determining whether the first image and configuration file pair is the last known good image and configuration file pair,

establishing a second file transfer session with a second server, a second image and configuration file pair being stored on the second server,

determining whether the second image and configuration file pair is the last known good image and configuration file pair, and

wherein the method further includes requesting a transfer of one of the first or second image and configuration file pair that is the last known good image and configuration file pair from the server to the network device.

8. (Currently Amended) A method comprising:

detecting that an information transferring routing network device has entered a debug mode, a name of a last known good image and configuration file pair being stored on the network device;

establishing a first file transfer session between the network device and a first server, a first image and configuration file pair being stored on the first server;

determining whether the first image and configuration file pair is the last known good image and configuration file pair;

establishing a second file transfer session between the network device and a second server, a second image and configuration file pair being stored on the second server;

determining whether the second image and configuration file pair is the last known good image and configuration file pair; and

requesting a transfer of one of the first or second image and configuration file pair that is the last known good image and configuration file pair from the server to the network device.

9. (Original) The method of claim 8 further comprising detecting the network device in fatal mode and entering the debug mode on the network device upon detecting the network device in fatal mode.

10. (Original) The method of claim 8 further comprising receiving a command of a user and entering the debug mode on the network device upon receiving the command of the user.

11. (Original) The method of claim 8 wherein the file transfer session is a Trivial File Transfer Protocol (TFTP) session.

12. (Original) The method of claim 8 further comprising receiving the transfer of the last known good image and configuration file pair from the server to the network device.

13. (Original) The method of claim 12 further comprising automatically restoring the network device from debug mode to working mode after receiving the transfer of the last known good image and configuration file pair from the server to the network device.

14. (Currently Amended) An apparatus comprising a machine accessible medium containing instructions which, when executed by a machine, cause the machine to perform operations comprising:

establishing a file transfer session between an information transferring routing network device that has entered a debug mode and a server, a name of a last known good image and configuration file pair being stored on the network device, the last known good image and configuration file pair being stored on the server; and

requesting a transfer of the last known good image and configuration file pair from the server to the network device.

15. (Original) The apparatus of claim 14 further comprising detecting the network device in fatal mode and entering the debug mode on the network device upon detecting the network device in fatal mode.

16. (Original) The apparatus of claim 14 further comprising receiving a command of a user and entering the debug mode on the network device upon receiving the command of the user.

17. (Original) The apparatus of claim 14 wherein the file transfer session is a Trivial File Transfer Protocol (TFTP) session.

18. (Original) The apparatus of claim 14 further comprising receiving the transfer of the last known good image and configuration file pair from the server to the network device.

19. (Original) The apparatus of claim 18 further comprising automatically restoring the network device from debug mode to working mode after receiving the transfer of the last known good image and configuration file pair from the server to the network device.

20. (Currently Amended) The apparatus of claim 14 wherein establishing a file transfer session between an information ~~transferring~~ routing network device that has entered a debug mode and a server includes

establishing a first file transfer session with a first server, a first image and configuration file pair being stored on the first server,

determining whether the first image and configuration file pair is the last known good image and configuration file pair,

establishing a second file transfer session with a second server, a second image and configuration file pair being stored on the second server,

determining whether the second image and configuration file pair is the last known good image and configuration file pair, and

wherein the method further includes requesting a transfer of one of the first or second image and configuration file pair that is the last known good image and configuration file pair from the server to the network device.

21. (Currently Amended) An apparatus comprising a machine accessible medium containing instructions which, when executed by a machine, cause the machine to perform operations comprising:

detecting that an information ~~transferring~~ routing network device has entered a debug mode, a name of a last known good image and configuration file pair being stored on the network device;

establishing a first file transfer session between the network device and a first server, a first image and configuration file pair being stored on the first server;

determining whether the first image and configuration file pair is the last known good image and configuration file pair;

establishing a second file transfer session between the network device and a second server, a second image and configuration file pair being stored on the second server;

determining whether the second image and configuration file pair is the last known good image and configuration file pair; and

requesting a transfer of one of the first or second image and configuration file pair that is the last known good image and configuration file pair from the server to the network device.

22. (Original) The apparatus of claim 21 further comprising detecting the network device in fatal mode and entering the debug mode on the network device upon detecting the network device in fatal mode.

23. (Original) The apparatus of claim 21 further comprising receiving a command of a user and entering the debug mode on the network device upon receiving the command of the user.

24. (Original) The apparatus of claim 21 wherein the file transfer session is a Trivial File Transfer Protocol (TFTP) session.

25. (Original) The apparatus of claim 21 further comprising receiving the transfer of the last known good image and configuration file pair from the server to the network device.

26. (Original) The apparatus of claim 25 further comprising automatically restoring the network device from debug mode to working mode after receiving the transfer of the last known good image and configuration file pair from the server to the network device.